



Clean Energy and Climate Change

**Alaska Sub-
Cabinet**

February 13, 2008

EPA's Clean Energy and Climate Change Priority

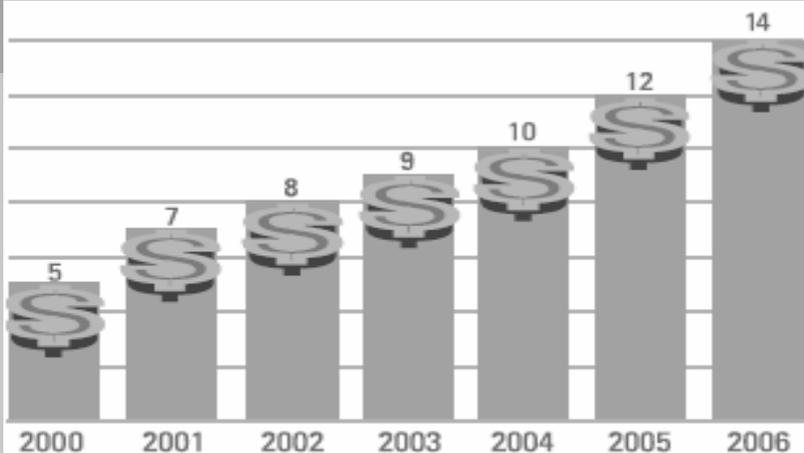
- Improve energy efficiency and affordability
- Speed up transition to cleaner energy sources
- Improve energy security
- Reduce greenhouse gas emissions

Strategy and Focus

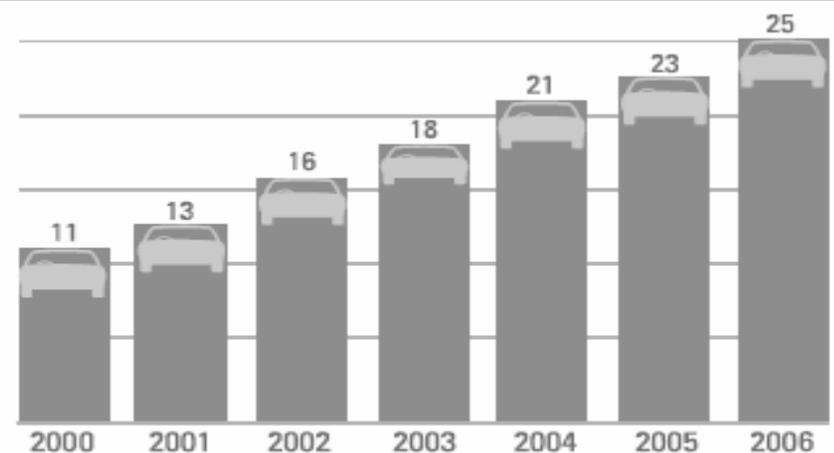
- Emphasize
 - partnerships, voluntary and mandatory programs
 - development and deployment of new and existing technologies
- Focus on
 - Energy Efficiency
 - Energy Production & Supply
 - Manufacturing & Industrial Process
 - Fuels & Transportation

Energy Efficiency

- Purpose: make smarter, more efficient use of energy and other resources, including water and materials to reduce GHGs and air pollution, save money, and improve energy security
- Promote ENERGY STAR
- Improve Materials Management
- Other areas addressed: Green Buildings, Air Quality, Water Efficiency



UTILITY BILL SAVINGS



EMISSIONS SAVED IN VEHICLE EQUIVALENTS (Millions of Tons)

Energy Production & Supply

- Purpose: To foster development of cleaner energy production technologies and ensure that energy production grows in a manner that protects public health and the environment
- Accelerate advanced coal technologies and carbon capture & sequestration
- Implement Administrator's Oil and Gas Framework
- Also: Promote Green Power Purchases
Promulgate Yucca Mountain Rule
Demonstrate and develop highly efficient conversion technologies
Promote use of biofuels and other clean energy sources at contaminated properties



Manufacturing & Industrial Processes

- Purpose: Building on previous successes, partner with industry to develop new systems which use energy cost-effectively and reduce pollution and greenhouse gas emissions
- Emphasize Energy Efficiency in Design for Environment projects
- Also: Recruit Additional Climate Leaders
Ramp up efforts with three or more sectors
Develop Combined Heat and Power



Fuels & Transportation

- Purpose: To play a critical role in transforming the Nation's use of cleaner transportation fuels to meet our energy security and environmental goals.
- Promote Clean Diesel Campaigns and Regional Collaboratives
- Also: Implement Renewable Fuel Standard
Develop new fuel and vehicle regulations
Support the expansion of production and use of alternative fuels



New Development: GHG Emissions Inventory

- Fiscal Year 2008 Omnibus Budget Bill passed in December Requires mandatory reporting of GHG emissions using CAA authority
- Broad scope:
 - all 6 GHGs
 - Upstream suppliers to downstream emitters
- Broad discretion regarding thresholds and reporting
- 18 months to publish final rule
- Budget: \$3.5 million (\$3 M to ORD, \$.5 M to OAR)
- Approach: Build on existing methods, including Acid Rain program, and encourage stakeholder input

Regional Strategy

- Will be completed in March with implementation to begin in April
- Will expand on national focus on mitigation to include adaptive strategies

For More Information

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